19. (New) The medical devise according to ~~and~~ any one of claims 15, 16, 17, or 18 wherein said three-dimensional matrix comprises multiple layers of nitric oxide-releasing nucleophiles entrapped within said three dimensional matrix.

20. (New) A method for treating or preventing restenosis comprising:

providing a medical devices having a polymer coating comprising a compound having combined cytostatic, antithrombogenic, vasodilatory and antiproliferative effects; and

delivering said medical device to the treatment such that said compound is released from said medical device in a controlled fashion.

21. (New) The method according to claim 19 wherein said compound is a nitric-oxide releasing nucleophile.

22. (New) The method according to claim 19 wherein said medical device is selected from the group consisting of stents, grafts, guide wires, and catheters.

23. (New) A method for providing a metallic medical device with a surface having multi-functional molecules comprising:

applying an amine-fuctionalized silane to a metallic surface for a time sufficient, and under conditions suitable for said amine-fuctionalized silane to bind to said metallic surface.

24. (New) The method according to claim 23 wherein said amine-fuctionalized silane is selected from the group consisting of 4,7,10-triazadecyl-trimethoxysilane, 3-aminopropyltriethoxysilane, trichlorovinylsialane, 3-aminopropyltrimethoxysilane, 3-aminopropyldiisopropylethoxysilane, and 3-aminopropylmethyldiethoxysilane.

25. (New) A method for providing a metallic medical device with a surface having multi-functional molecules comprising:

applying a reactive isocyanatosilane to a metallic surface for a time sufficient, and under conditions suitable for said amine-fuctionalized silane to bind to said metallic surface; and

~~coupling a nucleophile to said reactive isocyantosaline.~~

~~26.~~ (New) The method according to claim 25 wherein said isocyanatosilane is 3-isocyanatopropyltriethoxysilane.

27. (New) The method according to claim 26 wherein said nucleophile is selected from the group consisting of C_1-C_{10} cycloalkyl, alkyl and alkenyl monoamines, methylamine, ethylamin , diethylamin , ethylmethylamine, triethylamine, n-propylamine, allylamine, isopropylamine, n-butylamine, n-butylmethylamine, n-amylamine, n-hexylamine, 2-ethylhexylamine, cyclohexylamine, ethylenediamine, polyethyleneamine, 1,4-butanediamine, 1,6-hexanediamine, n-methylcyclohexylamine, alkeneamines, ethyleneimine and polyethylenimine.

28. (New) A method according to claims 23 or 26 wherein in said medical device is selected from the group consisting of stents, grafts, guide wires, and catheters.

29. (New) A method for providing a metallic medical device with a polyethylenimine (PEI) coating comprising:

cleaning sad metallic medical device;

applying an amine-fuctionalized silane to said cleaned metallic medical device to form a silanized metallic medical device;

forming a hydrogel coating on said silanized metallic medical device to form a hydrogel coated metallic medical device;

grafting PEI to said hydrogel coated metallic medical device to form a PEI coated metallic medical device.

30. (New) The method according to claim 29 further comprising:

crosslinking said PEI on said PEI coated medical device to form a crosslinked PEI coating.

31. (New) The method according to claim 30 further comprising:

providing said crosslinked PEI coating with nucleophile residues.

32. (New) A medical device having a PEI coating according to any one of claims 29, 30, or 31.

In view of the above remarks and amendments, it is submitted that pending claims 6-36, are in condition for allowance and their allowance is earnestly solicited.

No additional fees are seen as being necessary in connection for this amendment. However, th Examiner is authorized to charge any additional fees or credit any overpayment to Deposit Account 50-1901.

If any issues remain, the Examiner is urged to contact the undersigned by telephone for a prompt resolution thereof.

R spectfully submitted,

March 6, 2002

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